

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2	("6398037").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:20
S4	18	raanan ben	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 06:20
S5	11	"3861722"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 06:21
S6	34	"3761114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 06:21
S7	28	("2349180"   "2478149"   "2832615"   "3594023"   "3733093"   "3861722"   "3941410"   "4119335"   "4711426"   "4832379"   "4867488"   "5335946").PN. OR ("5803513").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:24
S8	4	("4569542"   "5335946"   "5803513"   "6371531").PN. OR ("7004511").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:24
S9	20	("0608613"   "1423754"   "1851574"   "1866619"   "1962401"   "2016262"   "3414297").PN. OR ("3861722").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:27
S10	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:35
S11	26	("1930194"   "2473046"   "2491004"   "3582112"   "3724880"   "3877733"   "3963298"   "4229026"   "4540204"   "4660866"   "4848805"   "4867488"   "5094467"   "5197768"   "5219189"   "5269569"   "5295697"   "5360218"   "5464228"   "5603530"   "5645285"   "6062611"   "6220635").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:35

## EAST Search History

S12	31	("1866726"   "1930194"   "2230725"   "2587405"   "2953398"   "3724880"   "3733093"   "3963298"   "4108481"   "4119333"   "4229026"   "4593943"   "4848805"   "5067751"   "5094467"   "5219189"   "5295697").PN. OR ("5464228").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:38
S13	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:39
S14	10	("2017994"   "3815940"   "4229025"   "5692785"   "5947532"   "5951058"   "6129391"   "6142538"   "6145893").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:40
S15	38	("0817300"   "2780482"   "2784990"   "2832615"   "3141686"   "3433509"   "3578362"   "3582113"   "3589750"   "3659877"   "3737179"   "3899183"   "3937500"   "4068866"   "4417754"   "4421347"   "4480861"   "4568112"   "4575129"   "4637636"   "4647083"   "4678211"   "4779900"   "4834428"   "4878698"   "4976457"   "5295697"   "5297817"   "5398980"   "5509699"   "6019396"   "6231090").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:46
S16	6	("4116478"   "4878698"   "5069490"   "5100183"   "5297826"   "5803513").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:47
S17	20	("1556745"   "2774617"   "3334929"   "3759553"   "3861722"   "3865410"   "3986234"   "4092036"   "4269436"   "4610471"   "4627774"   "4779900"   "4878698"   "4896903"   "5071175"   "5255945"   "5398980").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 06:49
S18	21	("1146670"   "3423111"   "3937500"   "3941410"   "4070046"   "4092036"   "4417754"   "4438954"   "4544188"   "4568112").PN. OR ("4647083").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:39
S19	22	("0826154"   "0943461"   "1054904"   "1955642"   "2776153"   "3152816"   "3284112"   "4409708").PN. OR ("4575129").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:40
S20	19	("1821865"   "2417536"   "2531922"   "2613959"   "2898000"   "3333872"   "3761114").PN. OR ("4480861").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:58

## EAST Search History

S21	17	("2779610"   "3069188"   "3879070"   "4070046"   "4119334"   "4606565"   "4610471"   "5069490"   "5100183"). PN. OR ("5779285").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:58
S22	18	("1788366"   "3158388"   "3189962"   "3679239"   "3744824"   "3870349"   "4062572"   "4798404").PN. OR ("5188401").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:38
S23	24	("3381983").URPN.	USPAT	AND	OFF	2006/07/28 07:38
S24	11	("2585453").URPN.	USPAT	AND	OFF	2006/07/28 07:27
S25	24	("3381983").URPN.	USPAT	AND	OFF	2006/07/28 07:27
S26	9	("3963298"   "4229026"   "4848805"). PN. OR ("5219189").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:09
S27	26	("1930194"   "2245153"   "2755109"   "2966539"   "3724880").PN. OR ("3963298").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:10
S28	10	("2755109").URPN.	USPAT	AND	OFF	2006/07/28 07:39
S29	16	("2230725").URPN.	USPAT	AND	OFF	2006/07/28 07:15
S31	26	("2201372"   "2230725"   "3288497"   "3486772"   "3582112"   "3860270"   "4119335"   "4150848"   "4630848"   "4676531"   "4842306"   "4886304"   "4898407"   "5037144"   "5067751"   "5188401"   "5234234"   "5314213"   "5350204"   "5360218"   "5476292"   "5911447").PN. OR ("6481755").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:26
S32	22	("1791121"   "1983840"   "2412664"   "2452890"   "2466526"   "2470546"   "2478149"   "2585453"   "3485517"   "3733093"   "4062572"   "4630851"   "4798404").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:41
S33	27	("1281498"   "2507261"   "2613959"   "3474519"   "3477750"   "3498648"   "3765708"   "3827727"   "3843167"   "3893720"   "4061367"   "4466640"   "4482174"   "4575129"   "4598938"   "4621844"   "5242199"   "5405176"   "5452921"   "5823579"   "6450553"). PN. OR ("6769722").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:43
S34	11	("3284112").URPN.	USPAT	AND	OFF	2006/07/28 07:45
S35	23	("1011430"   "1716833"   "2653211"   "3065535"   "3284112"   "3794363"   "3863701"   "3909049"   "4336958"). PN. OR ("4458924").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 07:46
S36	7	("2531922").URPN.	USPAT	AND	OFF	2006/07/28 08:03

## EAST Search History

S37	367	S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26 S27 S28 S29 S30 S31 S32 S33 S34 S35 S36	USPAT	OR	OFF	2006/07/28 08:06
S38	187	285/113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 08:13
S39	539	S37 or S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 08:14
S40	805	285/108 285/368	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 08:15
S41	733	S40 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 08:15
S42	21	("1738513"   "1896795"   "2462762"   "3346263"   "3845961"   "4232496"   "5335411"   "5366261"   "5482332"   "5524906"   "5720505"   "5895054"   "6322084"   "6367803"   "6367813"   "6547255"   "6581941").PN. OR ("6994356").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:25
S43	10	("0198818"   "2151702"   "2412487"   "3921673"   "3998477"   "5133642"   "5271685").PN. OR ("6742816").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:31
S44	14	("2552750"   "3078110"   "3197218"   "3479063"   "3820830"   "4410186"   "4550921"   "5058906"   "5431417"). PN. OR ("6715802").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:33
S45	41	("2552750"   "2898000"   "3042248"   "3047301"   "3216746"   "3275335"   "3285615"   "3325176"   "3345078"   "3455562"   "3479063"   "3682489"   "4214763"   "4410186"   "4452462"   "4471965"   "4550921"   "4643461"   "4877272").PN. OR ("5058906").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:33
S46	15	("0969423"   "3387867"   "3490796"   "3507506"   "4403795"   "4410186"   "4428603"   "4921284").PN. OR ("6394507").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:42

## EAST Search History

S47	16	("0406272"   "3515416"   "4113829"   "4366959"   "4519639"   "4568112"   "4896903"   "5073353"   "5209524"   "5314215"   "5464257"   "5509699"   "5547231"   "5755466").PN. OR ("6065784").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:51
S48	17	("0846704"   "1253065"   "1869915"   "1911659"   "2795985"   "3159302"   "3971614"   "5145220").PN. OR ("5887913").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:56
S49	18	("3004780"   "3236543"   "3262721"   "3265414"   "3533649"   "4295668"   "4610471"   "4793638"   "4878698"   "4997214").PN. OR ("5868438").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:58
S50	21	("2449243"   "2961363"   "3301576"   "3627357"   "3915480"   "4111466").PN. OR ("4295668").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 08:59
S51	11	("2837112"   "3314695"   "D292308"   "D296581").PN. OR ("D363771").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:10
S52	10	("1622768"   "2452278"   "2727761"   "3649050"   "4054305"   "4575274"   "4832379").PN. OR ("5360238").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:12
S53	21	("2507261"   "2738993"   "3252192"   "3695638"   "4150848"   "4336959"   "4372587"   "4568112"   "5058931"   "D168928"   "D262133"   "D264494"   "D287532").PN. OR ("D339975").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:16
S54	7	("2984504"   "4544188").PN. OR ("4874192").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:24
S55	14	("1821867"   "2900199"   "2984504"   "3208758"   "4303251"   "4874192"   "4919391"   "5163712"   "5421624").PN. OR ("5671956").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:24
S56	8	("1821867").URPN.	USPAT	AND	OFF	2006/07/28 09:25
S57	26	("1640543"   "1851758"   "2285319"   "2298736"   "2692782"   "2710630"   "2879804"   "2998986"   "3131954"   "3537732"   "3837178"   "4155573"   "4241944").PN. OR ("4750763").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:31
S58	3	("2285319").URPN.	USPAT	AND	OFF	2006/07/28 09:32
S59	25	("0448717"   "0903260"   "2023060"   "2688500"   "2778661"   "2967723"   "3216745"   "4128921"   "4150847"   "4469354").PN. OR ("4640530").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:39
S60	11	("2688500").URPN.	USPAT	AND	OFF	2006/07/28 09:40

## EAST Search History

S61	15	("0253482"   "1185487"   "2457077"   "2769648"   "3141686"   "3466070"   "4432572"   "4496176").PN. OR ("4620732").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:44
S62	17	("0943461"   "1462698"   "2749149"   "3401913"   "3515416"   "3752181").PN. OR ("4101112").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 09:53
S63	3	("1462698").URPN.	USPAT	AND	OFF	2006/07/28 09:55
S64	16	("1035810"   "1704003"   "1821864"   "1821865"   "1891424"   "2289696"   "2900199"   "3507506").PN. OR ("3838863").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:00
S65	6	("1035810").URPN.	USPAT	AND	OFF	2006/07/28 10:02
S66	8	("3652110").URPN.	USPAT	AND	OFF	2006/07/28 10:09
S67	971	S40 S41 S42 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56 S57 S58 S61 S60 S62 S63 S64 S65 S66	USPAT	OR	OFF	2006/07/28 10:11
S68	1189	285/363 285/405 285/412	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 12:49
S69	2	("6398037").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:21
S70	18	raanan ben	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 10:21
S71	11	"3861722"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 10:21
S72	34	"3761114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 10:21
S73	28	("2349180"   "2478149"   "2832615"   "3594023"   "3733093"   "3861722"   "3941410"   "4119335"   "4711426"   "4832379"   "4867488"   "5335946").PN. OR ("5803513").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21

## EAST Search History

S74	4	("4569542"   "5335946"   "5803513"   "6371531").PN. OR ("7004511").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S75	20	("0608613"   "1423754"   "1851574"   "1866619"   "1962401"   "2016262"   "3414297").PN. OR ("3861722").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S76	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S77	26	("1930194"   "2473046"   "2491004"   "3582112"   "3724880"   "3877733"   "3963298"   "4229026"   "4540204"   "4660866"   "4848805"   "4867488"   "5094467"   "5197768"   "5219189"   "5269569"   "5295697"   "5360218"   "5464228"   "5603530"   "5645285"   "6062611"   "6220635").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S78	31	("1866726"   "1930194"   "2230725"   "2587405"   "2953398"   "3724880"   "3733093"   "3963298"   "4108481"   "4119333"   "4229026"   "4593943"   "4848805"   "5067751"   "5094467"   "5219189"   "5295697").PN. OR ("5464228").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S79	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S80	10	("2017994"   "3815940"   "4229025"   "5692785"   "5947532"   "5951058"   "6129391"   "6142538"   "6145893").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21

## EAST Search History

S81	38	("0817300"   "2780482"   "2784990"   "2832615"   "3141686"   "3433509"   "3578362"   "3582113"   "3589750"   "3659877"   "3737179"   "3899183"   "3937500"   "4068866"   "4417754"   "4421347"   "4480861"   "4568112"   "4575129"   "4637636"   "4647083"   "4678211"   "4779900"   "4834428"   "4878698"   "4976457"   "5295697"   "5297817"   "5398980"   "5509699"   "6019396"   "6231090").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S82	6	("4116478"   "4878698"   "5069490"   "5100183"   "5297826"   "5803513").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S83	20	("1556745"   "2774617"   "3334929"   "3759553"   "3861722"   "3865410"   "3986234"   "4092036"   "4269436"   "4610471"   "4627774"   "4779900"   "4878698"   "4896903"   "5071175"   "5255945"   "5398980").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S84	21	("1146670"   "3423111"   "3937500"   "3941410"   "4070046"   "4092036"   "4417754"   "4438954"   "4544188"   "4568112").PN. OR ("4647083").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S85	22	("0826154"   "0943461"   "1054904"   "1955642"   "2776153"   "3152816"   "3284112"   "4409708").PN. OR ("4575129").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S86	19	("1821865"   "2417536"   "2531922"   "2613959"   "2898000"   "3333872"   "3761114").PN. OR ("4480861").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S87	17	("2779610"   "3069188"   "3879070"   "4070046"   "4119334"   "4606565"   "4610471"   "5069490"   "5100183").PN. OR ("5779285").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S88	18	("1788366"   "3158388"   "3189962"   "3679239"   "3744824"   "3870349"   "4062572"   "4798404").PN. OR ("5188401").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S89	24	("3381983").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S90	11	("2585453").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S91	24	("3381983").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S92	9	("3963298"   "4229026"   "4848805").PN. OR ("5219189").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S93	26	("1930194"   "2245153"   "2755109"   "2966539"   "3724880").PN. OR ("3963298").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21

## EAST Search History

S94	10	("2755109").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S95	16	("2230725").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S96	0	("6481755").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S97	26	("2201372"   "2230725"   "3288497"   "3486772"   "3582112"   "3860270"   "4119335"   "4150848"   "4630848"   "4676531"   "4842306"   "4886304"   "4898407"   "5037144"   "5067751"   "5188401"   "5234234"   "5314213"   "5350204"   "5360218"   "5476292"   "5911447").PN. OR ("6481755").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S98	22	("1791121"   "1983840"   "2412664"   "2452890"   "2466526"   "2470546"   "2478149"   "2585453"   "3485517"   "3733093"   "4062572"   "4630851"   "4798404").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S99	27	("1281498"   "2507261"   "2613959"   "3474519"   "3477750"   "3498648"   "3765708"   "3827727"   "3843167"   "3893720"   "4061367"   "4466640"   "4482174"   "4575129"   "4598938"   "4621844"   "5242199"   "5405176"   "5452921"   "5823579"   "6450553").PN. OR ("6769722").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S100	11	("3284112").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S101	23	("1011430"   "1716833"   "2653211"   "3065535"   "3284112"   "3794363"   "3863701"   "3909049"   "4336958").PN. OR ("4458924").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S102	7	("2531922").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S103	367	S69 S70 S71 S72 S73 S74 S75 S76 S77 S78 S79 S80 S81 S82 S83 S84 S85 S86 S87 S88 S89 S90 S91 S92 S93 S94 S95 S96 S97 S98 S99 S100 S101 S102	USPAT	OR	OFF	2006/07/28 10:21
S104	187	285/113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 10:21
S105	539	S103 or S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 10:21

## EAST Search History

S10 6	805	285/108 285/368	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:21
S10 7	733	S106 not S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:21
S10 8	21	("1738513"   "1896795"   "2462762"   "3346263"   "3845961"   "4232496"   "5335411"   "5366261"   "5482332"   "5524906"   "5720505"   "5895054"   "6322084"   "6367803"   "6367813"   "6547255"   "6581941").PN. OR ("6994356").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S10 9	10	("0198818"   "2151702"   "2412487"   "3921673"   "3998477"   "5133642"   "5271685").PN. OR ("6742816").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 0	14	("2552750"   "3078110"   "3197218"   "3479063"   "3820830"   "4410186"   "4550921"   "5058906"   "5431417"). PN. OR ("6715802").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 1	41	("2552750"   "2898000"   "3042248"   "3047301"   "3216746"   "3275335"   "3285615"   "3325176"   "3345078"   "3455562"   "3479063"   "3682489"   "4214763"   "4410186"   "4452462"   "4471965"   "4550921"   "4643461"   "4877272").PN. OR ("5058906").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 2	15	("0969423"   "3387867"   "3490796"   "3507506"   "4403795"   "4410186"   "4428603"   "4921284").PN. OR ("6394507").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 3	16	("0406272"   "3515416"   "4113829"   "4366959"   "4519639"   "4568112"   "4896903"   "5073353"   "5209524"   "5314215"   "5464257"   "5509699"   "5547231"   "5755466").PN. OR ("6065784").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 4	17	("0846704"   "1253065"   "1869915"   "1911659"   "2795985"   "3159302"   "3971614"   "5145220").PN. OR ("5887913").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 5	18	("3004780"   "3236543"   "3262721"   "3265414"   "3533649"   "4295668"   "4610471"   "4793638"   "4878698"   "4997214").PN. OR ("5868438").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21

## EAST Search History

S11 6	21	("2449243"   "2961363"   "3301576"   "3627357"   "3915480"   "4111466").PN. OR ("4295668").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 7	11	("2837112"   "3314695"   "D292308"   "D296581").PN. OR ("D363771").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 8	10	("1622768"   "2452278"   "2727761"   "3649050"   "4054305"   "4575274"   "4832379").PN. OR ("5360238").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S11 9	21	("2507261"   "2738993"   "3252192"   "3695638"   "4150848"   "4336959"   "4372587"   "4568112"   "5058931"   "D168928"   "D262133"   "D264494"   "D287532").PN. OR ("D339975").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 0	7	("2984504"   "4544188").PN. OR ("4874192").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 1	14	("1821867"   "2900199"   "2984504"   "3208758"   "4303251"   "4874192"   "4919391"   "5163712"   "5421624").PN. OR ("5671956").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 2	8	("1821867").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S12 3	26	("1640543"   "1851758"   "2285319"   "2298736"   "2692782"   "2710630"   "2879804"   "2998986"   "3131954"   "3537732"   "3837178"   "4155573"   "4241944").PN. OR ("4750763").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 4	3	("2285319").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S12 5	11	("2688500").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S12 6	15	("0253482"   "1185487"   "2457077"   "2769648"   "3141686"   "3466070"   "4432572"   "4496176").PN. OR ("4620732").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 7	17	("0943461"   "1462698"   "2749149"   "3401913"   "3515416"   "3752181").PN. OR ("4101112").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S12 8	3	("1462698").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S12 9	16	("1035810"   "1704003"   "1821864"   "1821865"   "1891424"   "2289696"   "2900199"   "3507506").PN. OR ("3838863").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:21
S13 0	6	("1035810").URPN.	USPAT	AND	OFF	2006/07/28 10:21

## EAST Search History

S13 1	8	("3652110").URPN.	USPAT	AND	OFF	2006/07/28 10:21
S13 2	971	S106 S107 S108 S109 S110 S111 S112 S113 S114 S115 S116 S117 S118 S119 S120 S121 S122 S123 S124 S126 S125 S127 S128 S129 S130 S131	USPAT	OR	OFF	2006/07/28 10:21
S13 3	746	S68 not S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:22
S13 4	1717	S68 or S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 10:22
S13 5	11	("0222388"   "3480301"   "4758028"   "5362115"   "5472214"   "5531454"   "5611549"   "6457726"   "6481722").PN. OR ("6688609").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:27
S13 6	23	("1561448"   "1567369"   "2654619"   "3379219"   "4074553"   "4239264"   "4703135").PN. OR ("4976288").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:38
S13 7	19	("3224795"   "3363918"   "3796449"   "3920049"   "4065339"   "4217935"   "4236735"   "4241944"   "4256525"   "4330016"   "4403796"   "4421202"   "4559249"   "4619470"   "4813457").PN. OR ("4900072").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:40
S13 8	18	("1784667"   "2234119"   "2911239"   "3418009"   "3515416"   "3895833"   "4105227"   "4900072"   "5314215"   "5492372"   "5765881"   "6264251"   "6315335").PN. OR ("6722707").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:41
S13 9	29	("0525775"   "2338307"   "2597482"   "2827312"   "3152816"   "3154327"   "3467141"   "3469865"   "3495853"   "4049296"   "4171142").PN. OR ("4572548").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:45
S14 0	23	("0567231"   "1025186"   "1037709"   "1195830"   "2205697"   "2641491").PN. OR ("3791679").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 10:55
S14 1	17	("1942704"   "3480301").PN. OR ("3781043").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:01
S14 2	1816	S134 S135 S136 S137 S138 S139 S140 S141	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 11:02

## EAST Search History

S14 3	974	285/413 285/414 285/910 285/917	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 11:03
S14 4	609	S143 not S142	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 11:03
S14 5	4	("1638482"   "4150848"   "5335946"). PN. OR ("6015170").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:09
S14 6	28	("3722925"   "3888522"   "3937500"   "3986730"   "4092036"   "4417754"   "4647083"   "4664426"   "4848802"   "4848808"   "4867488"   "4878698"   "4896903"   "4984308"   "5335946"). PN. OR ("5398980").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:12
S14 7	70	("1940729"   "2288904"   "2412487"   "2792240"   "2861822"   "3065000"   "3334661"   "3433509"   "3726549"   "3936451"   "3964521"   "3964522"   "4007298"   "4014827"   "4026586"   "4108481"   "4113286"   "4128265"   "4280732"   "4309050"   "4407893"   "4413733"   "4437242"   "4437501"   "4506931"   "4532957"   "4540204"   "4660866"   "4685705"   "4750194"   "4756784"   "4791976"   "4832084"   "4867488"   "4871197"   "4878698"   "5067751"   "5269569"   "5295697"   "5335946"   "5336998"   "5398980"   "5464228"   "5803513"   "6214203"   "6289600"   "6331242"   "6497151"   "6502867"   "D016160"   "D208388"   "D240428"   "D284022"   "D294384"   "D310868"   "D339975"   "D390923"   "D397090"   "D453816").PN. OR ("D514669").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:13
S14 8	23	("1940729"   "2288904"   "2412487"   "2792240"   "3065000"   "3433509"   "D016160"   "D208388"   "D240428"). PN. OR ("D284022").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:15
S14 9	33	("1847357"   "2362454"   "2867454"   "3039797"   "3495515"   "3583731"   "3695638"   "3761114"   "4448448"   "4471979"   "4522434"   "4557509"   "4561678"   "4611839"   "4635973"   "4639020"   "4872712"   "4896902"   "5046763"   "5050913").PN. OR ("5387017").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:22

## EAST Search History

S15 0	46	("1683076"   "1784667"   "1893841"   "2449795"   "2467061"   "3024046"   "3287034"   "3415547"   "3551006").PN. OR ("3761114").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:24
S15 1	79	("1016620"   "1098620"   "1662311"   "1866726"   "2223388"   "2272812"   "2365048"   "2498915"   "2535694"   "2620037"   "3011803"   "3071188"   "3113792"   "3291442"   "3361453"   "3545542"   "3616850"   "3650549"   "3863716"   "3874709"   "3915226"   "3963268"   "3997198"   "4093283"   "4124233"   "4138144"   "4138145"   "4146254"   "4209193"   "4209270"   "4219226"   "4246967"   "4278278"   "4290482"   "4433859"   "4453745"   "4519633"   "4522430"   "4524998"   "4541490"   "4566168"   "4613161"   "4624483"   "4751968"   "4850622"   "4895396").PN. OR ("5348351").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:28
S15 2	38	("2295716"   "2417025"   "2512294"   "2726104"   "2868565"   "3155401"   "3390901"   "3602532"   "3827728"   "4063758"   "4068865"   "4074912"   "4094539"   "4114928"   "4330140"   "4460201"   "4606557"   "4640530"   "4660869").PN. OR ("5149143").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 11:47
S15 3	2652	S142 S143 S144 S145 S146 S147 S148 S149 S150 S151 S152	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 12:10
S15 4	576	277/608 277/609 277/616 277/619	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 12:11
S15 5	484	S154 not S153	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/28 12:12
S15 6	6	("D330073"   "D351459"   "D372765"   "D374710"   "D379493"   "D380039").PN. OR ("D514671").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 12:14
S15 7	15	("3281155"   "4150845"   "4258936"   "4877270"   "5288087"   "5378027"   "5833245"   "5903964"   "6077267"   "6102444"   "6168168"   "6359355"   "6481722"   "6541720").PN. OR ("6808181").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 12:15
S15 8	6	("3834744"   "4457517"   "4927182"   "5222769"   "5609369").PN. OR ("6231052").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 12:33

## EAST Search History

S15 9	3154	S153 S154 S155 S156 S157 S158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 12:34
S16 0	592	277/623 277/624 277/625 277/626 277/620 277/627	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 12:35
S16 1	273	S160 not S159	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 12:35
S16 3	15	("3507506"   "3749426"   "3873105"   "5039140"   "5103915"   "5149148"   "5624124"   "5709936"   "6007111"   "6070912"   "6409176"   "6450507"   "6561521").PN. OR ("6722426").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 12:41
S16 4	20	("3507506").URPN.	USPAT	AND	OFF	2006/07/28 12:42
S16 5	7	("4850385"   "4901488"   "4951442"   "5103609").PN. OR ("5876042").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 12:48
S16 6	3437	S159 S160 S161 S162 S163 S164 S165	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 12:55
S16 7	7598	(277/603,607,611,612,614,620,621, 622,627,628,631,632,636,637,639, 640,641,644,650,651,653,654,).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 13:02
S16 8	0	("l100notl99").PN.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/28 13:02
S16 9	6993	S167 not S166	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 13:02
S17 0	6753	S169 @pd<"20020601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/28 13:12

## EAST Search History

S17 1	1250	S170 and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/04 11:51
S17 2	15	("3348850").URPN.	USPAT	AND	OFF	2006/07/28 13:29
S17 3	5	("3259406").URPN.	USPAT	AND	OFF	2006/07/28 13:30
S17 4	9	("1873621").URPN.	USPAT	AND	OFF	2006/07/28 13:36
S17 5	7	("1556745").URPN.	USPAT	AND	OFF	2006/07/28 13:38
S17 6	20	("3485517").URPN.	USPAT	AND	OFF	2006/07/28 13:41
S17 7	5	("3301567").URPN.	USPAT	AND	OFF	2006/07/28 13:45
S17 8	5	("3259406").URPN.	USPAT	AND	OFF	2006/07/28 13:47
S17 9	1	("2108848").URPN.	USPAT	AND	OFF	2006/07/28 14:03
S18 0	3	("2002122").URPN.	USPAT	AND	OFF	2006/07/28 14:07
S18 1	7	("1960750").URPN.	USPAT	AND	OFF	2006/07/28 14:09
S18 2	5	("1942489").URPN.	USPAT	AND	OFF	2006/07/28 14:10
S18 3	9	("1873621").URPN.	USPAT	AND	OFF	2006/07/28 14:11
S18 4	1	("1802177").URPN.	USPAT	AND	OFF	2006/07/28 14:24
S18 5	3	("1365530").URPN.	USPAT	AND	OFF	2006/07/28 14:28
S18 6	30	("1078009"   "1345334"   "1365530"   "1434952"   "1951034"   "1979141"   "2328168"   "2969995"   "3065000"   "3333872"   "3415547"   "4092036"   "4295668"   "4417754").PN. OR ("4544188").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 14:29
S18 7	30	("0469613"   "1365530"   "1556745"   "1873620"   "1873621"   "1960750"   "2282738"   "2868576"   "3095672"   "3141686"   "3144261"   "3700270"   "4071265").PN. OR ("4637641").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 14:31

## EAST Search History

S18 8	7	("2608992"   "4128107"   "4610471"   "4637641"   "5374087"   "6227234"). PN. OR ("6360771").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 14:31
S18 9	7	("2608992"   "4128107"   "4610471"   "4637641"   "5374087"   "6227234"). PN. OR ("6360771").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/07/28 14:31
S19 0	7	("1960750").URPN.	USPAT	AND	OFF	2006/07/28 14:33
S19 1	8	("3652110").URPN.	USPAT	OR	OFF	2006/08/02 08:27
S19 2	20	("0608613"   "1423754"   "1851574"   "1866619"   "1962401"   "2016262"   "3414297").PN. OR ("3861722").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 08:31
S19 3	30	("1078009"   "1345334"   "1365530"   "1434952"   "1951034"   "1979141"   "2328168"   "2969995"   "3065000"   "3333872"   "3415547"   "4092036"   "4295668"   "4417754").PN. OR ("4544188").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 08:44
S19 4	7	("2984504"   "4544188").PN. OR ("4874192").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 08:48
S19 5	18	("1788366"   "3158388"   "3189962"   "3679239"   "3744824"   "3870349"   "4062572"   "4798404").PN. OR ("5188401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:02
S19 6	79	("1016620"   "1098620"   "1662311"   "1866726"   "2223388"   "2272812"   "2365048"   "2498915"   "2535694"   "2620037"   "3011803"   "3071188"   "3113792"   "3291442"   "3361453"   "3545542"   "3616850"   "3650549"   "3863716"   "3874709"   "3915226"   "3963268"   "3997198"   "4093283"   "4124233"   "4138144"   "4138145"   "4146254"   "4209193"   "4209270"   "4219226"   "4246967"   "4278278"   "4290482"   "4433859"   "4453745"   "4519633"   "4522430"   "4524998"   "4541490"   "4566168"   "4613161"   "4624483"   "4751968"   "4850622"   "4895396").PN. OR ("5348351").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:05
S19 7	7	("2498915").URPN.	USPAT	OR	OFF	2006/08/02 09:10
S19 8	12	("1016620").URPN.	USPAT	OR	OFF	2006/08/02 09:11

## EAST Search History

S19 9	30	("1556745"   "2774617"   "3334929"   "3759553"   "3861722"   "3865410"   "3986234"   "4092036"   "4269436"   "4610471"   "4627774"   "4779900"   "4878698"   "4896903"   "5071175"   "5255945"   "5398980").PN. OR ("5509699").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:18
S20 1	4	("1638482"   "4150848"   "5335946").PN. OR ("6015170").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:32
S20 5	12	("0969423"   "3387867"   "3490796"   "3507506"   "4403795"   "4410186"   "4428603"   "4921284").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:46
S20 6	17	("4579354"   "4625383"   "4637618"   "4818209"   "4834398"   "D244533"   "D256046"   "D281525"   "D285109"   "D285247"   "D289078").PN. OR ("D330073").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 09:55
S20 7	1371	(285/337,314,315).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 10:06
S20 9	1331	S207 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 10:08
S21 0	11	("3415547").URPN.	USPAT	OR	OFF	2006/08/02 10:23
S21 1	4	("1622768").URPN.	USPAT	OR	OFF	2006/08/02 10:51
S21 2	8	("1029819").URPN.	USPAT	OR	OFF	2006/08/02 10:59
S21 3	5	("940098").URPN.	USPAT	OR	OFF	2006/08/02 11:02
S21 4	8	("592899").URPN.	USPAT	OR	OFF	2006/08/02 11:07
S21 5	15	("1928821").URPN.	USPAT	OR	OFF	2006/08/02 11:33
S21 6	1	("1309145").URPN.	USPAT	OR	OFF	2006/08/02 11:39

## EAST Search History

S21 7	49	("0347461"   "0940098"   "1051056"   "1309145"   "1568268"   "1671789"   "1877094"   "2269695"   "2328168"   "2415753"   "2438234"   "2822195"   "2923561"   "2992022"   "3415543"   "3469852"   "3471175"   "3547471"   "3782683"   "3910610"   "4119335"   "4471979"   "4522434"   "4568112"   "4601495"   "4639020").PN. OR ("4721330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:39
S21 8	16	("2239307"   "2248000"   "3910610"   "4721330"   "4896903"   "5060989"   "5071175"   "5398980"   "5509699"   "5511826"   "5863080"   "5868438"   "5947527"   "6131265").PN. OR ("6983960").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:39
S21 9	6	("2328168").URPN.	USPAT	OR	OFF	2006/08/02 11:43
S22 0	1	("342659").URPN.	USPAT	OR	OFF	2006/08/02 12:04
S22 1	1155	mounting same ring same pipe same gasket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 13:00
S22 3	1105	S221 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 12:05
S22 4	21	("2058062"   "2468315"   "2757023"   "3453010"   "3455583"   "3712648"   "3871691"   "3966234"   "4653780").PN. OR ("5163712").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 12:17
S22 5	14	("3910566"   "3929358"   "4498874"   "4730852"   "4805943"   "4850622"   "4867483"   "4927192"   "5005877"   "5149148"   "5163712"   "5247996").PN. OR ("5383694").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 12:18
S22 6	2	("3471120").URPN.	USPAT	OR	OFF	2006/08/02 12:30
S22 7	3094	mounting same ring same pipe same seal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 13:00

## EAST Search History

S22 8	2875	S227 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 13:01
S22 9	2294	S228 not S223	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/02 13:02
S23 1	144	"608613" "1423754" "1851574" "1866619" "1962401" "2016262" "3414297"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 06:26
S23 2	57	("0428846"   "0455178"   "0921247"   "1563161"   "1604580"   "1654463"   "2070855"   "2216481"   "2338307"   "2374574"   "2459956"   "2496402"   "2507261"   "3149860"   "3387867"   "3414297"   "3498648"   "3587010"   "3594023"   "3997199"   "3998477"   "4000921"   "4109945"   "4124231"   "4127289"   "4138145"   "4138147"   "4218078"   "4239266"   "4281856"   "4330143"   "4413845"   "4457541"   "4610471"   "4832379"   "5131632"   "5267612"   "5421623"   "5437482"). PN. OR ("5899507").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:08
S23 3	22	("0455178"   "2070855"   "3387867"   "3414297"   "3498647"   "4000921"   "4127289"   "4138145"   "4239266"   "4413845"   "4457541").PN. OR ("4832379").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:10
S23 4	28	("2349180"   "2478149"   "2832615"   "3594023"   "3733093"   "3861722"   "3941410"   "4119335"   "4711426"   "4832379"   "4867488"   "5335946"). PN. OR ("5803513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:26
S23 5	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN. OR ("6974160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:26

## EAST Search History

S23 6	27	("1930194"   "2473046"   "2491004"   "3582112"   "3724880"   "3877733"   "3963298"   "4229026"   "4540204"   "4660866"   "4848805"   "4867488"   "5094467"   "5197768"   "5219189"   "5269569"   "5295697"   "5360218"   "5464228"   "5603530"   "5645285"   "6062611"   "6220635").PN. OR ("6688652").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:28
S23 7	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN. OR ("6974160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:32
S23 8	18	("3843167"   "3884510"   "4303262"   "4662656"   "5037144").PN. OR ("5197768").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:42
S23 9	12	("2017994"   "3815940"   "4229025"   "5692785"   "5947532"   "5951058"   "6129391"   "6142538"   "6145893").PN. OR ("6505860").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:55
S24 0	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN. OR ("6974160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 08:56
S24 1	25	("1851574"   "2202492"   "2376017"   "2459956"   "2557495"   "2819099"   "2937038"   "4138145"   "4138147").PN. OR ("4413845").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 09:36
S24 3	37	"1887877" "1906826" "2429076149860"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 09:52
S24 4	84	"1887877" "1906826" "2429076" "149860"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 09:52
S24 5	11	("3284112").URPN.	USPAT	OR	OFF	2006/08/03 09:58

## EAST Search History

S24 6	40	"1638482" "4150848" "5335946"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 09:58
S24 7	11	("2423213"   "2886945"   "3275345"   "3280849"   "3574357").PN. OR ("3819208").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 10:08
S24 8	6	("1426724"   "1821863"   "4629224").PN. OR ("4909548").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 10:10
S24 9	5	("3259406").URPN.	USPAT	OR	OFF	2006/08/03 10:12
S25 0	39	"1016620"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 10:12
S25 1	4	("2729479").URPN.	USPAT	OR	OFF	2006/08/03 10:22
S25 2	168	(285/104).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 10:56
S25 3	159	(285/108).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 10:58
S25 4	242	(285/113).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 11:16
S25 5	41	("3573871"   "3776682"   "3929958"   "4030872"   "4066269"   "4120521"   "4299412"   "4368894"   "4372905"   "4379559"   "4468042"   "4572523"   "4602793"   "4625383"   "4637618"   "4666165"   "4693483"   "4723905"   "4818209"   "4826028"   "4834398"   "4834430"   "4856561"   "4984831"   "5057263"   "5064207"   "5213339"   "5219189"   "5295697"   "5639959"   "5649713"   "5695201"   "B14343480"   "D323024"   "D326710"   "D330073"   "D347885"   "D351459"   "D362902"   "D374710").PN. OR ("6142484").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:00
S25 6	7	("5377999"   "5509670").PN. OR ("5695201").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:00

## EAST Search History

S25 7	11	("3494639").URPN.	USPAT	OR	OFF	2006/08/03 11:07
S25 8	127	(285/196).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 11:16
S25 9	24	("0672475"   "2306160"   "2816575"   "3190679"   "3258271"   "3339931"   "3360273"   "3821340"   "4790544"   "4993722"   "5247974"   "5819389"   "5901962"   "6095207"   "6305425"   "6325384").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:17
S26 0	4	("1862153").URPN.	USPAT	OR	OFF	2006/08/03 11:23
S26 1	29	("1264012"   "1790957"   "1862153"   "1976589"   "2225508"   "2356947"   "2793057"   "3053542"   "3191949"   "3567258"   "3746348"   "3990711"   "D031415"   "D032696"   "D244533"). PN. OR ("5092636").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 11:23
S26 3	4	("3053542").URPN.	USPAT	OR	OFF	2006/08/03 13:08
S26 4	23	("1976589").URPN.	USPAT	OR	OFF	2006/08/03 13:10
S26 5	7	("1790957").URPN.	USPAT	OR	OFF	2006/08/03 13:13
S26 6	1	("1264012").URPN.	USPAT	OR	OFF	2006/08/03 13:15
S26 7	7	("1790957").URPN.	USPAT	OR	OFF	2006/08/03 13:14
S26 8	22	("3567258").URPN.	USPAT	OR	OFF	2006/08/03 13:15
S26 9	19	("3046026"   "3214182"   "3244377"   "3334617"   "3567258"   "3690682"   "4519371"   "5044340"   "5263647"   "5524904"   "5752487"   "5927726"   "6186123"   "6494465").PN. OR ("7004476").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:16
S27 0	26	("2427789"   "2733969"   "3033597"   "3090630"   "3154006"   "3514115"   "3841193"   "3860271"   "3953213"   "4243433"   "4281580"   "4326826"   "4739997"   "4854798"   "5468106"   "5518255"   "5730569").PN. OR ("6494465").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:16

## EAST Search History

S27 1	32	("3334617"   "3382851"   "3717305"   "3841277"   "4307693"   "4589596"   "4647012"   "5086980"   "5328100"   "5345913"   "5372113"   "5487368"). PN. OR ("5752487").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:20
S27 2	16	("4201172"   "4445713"   "4519371"   "4556034"   "4693223"   "5394850"   "5752487"   "5765534").PN. OR ("6102007").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:21
S27 3	20	("3046026").URPN.	USPAT	OR	OFF	2006/08/03 13:24
S27 4	127	("0340801"   "0344312"   "0612455"   "1178714"   "1913982"   "1928821"   "2218318"   "2243265"   "2265267"   "2284216"   "2730380"   "2735696"   "2825590"   "2976066"   "3046026"   "3054422"   "3089713"   "3111179"   "3142498"   "3163431"   "3201151"   "3205911"   "3215161"   "3236251"   "3291152"   "3301578"   "3348575"   "3447819"   "3473556"   "3498324"   "3507523"   "3508580"   "3516524"   "3519278"   "3550624"   "3618690"   "3625251"   "3707878"   "3727952"   "3797510"   "3891246"   "3899199"   "3917220"   "3918485"   "4022262"   "4044993"   "4124228"   "4194770"   "4222411"   "4239242"   "4324407"   "4348039"   "4448000"   "4452462"   "4453566"   "4457523"   "4476772"   "4519636"   "4556196"   "4582295"   "4589689"   "4602806"   "4637470"   "4641841"   "4656393"   "4694859"   "4709726"   "4709727"   "4768538"   "4817668"   "4884584"   "4900071"   "4903993"   "4988130"   "5029613"   "5052439"   "5087504"   "5284183"   "5339861"   "5368070"   "5370153"   "5394908"   "5490680"   "5564177"   "5762106"   "5979499"   "5983934"   "5997049"   "6003537"   "6663144"   "RE18296").PN. OR ("7021677"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:24

## EAST Search History

S27 5	67	("1814479"   "1913982"   "2129704"   "2635931"   "2647770"   "2862775"   "3046026"   "3058750"   "3116944"   "3147015"   "3163431"   "3184246"   "3279806"   "3288472"   "3291152"   "3373998"   "3378269"   "3519278"   "3759552"   "4302020"   "4452462"   "4637470"   "4640455"   "4658847"   "4694859"   "4709726"   "4754780"   "4768538"   "4770426"   "4813454"   "4817668"   "4832080"   "4834139"   "4858648"   "4884584"   "4900071"   "4915397"   "4915419"   "5015016"   "5029613"   "5052439"   "5099882"   "5160175"   "5339861").PN. OR ("5979499").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:25
S27 6	35	("0267750"   "1661878"   "1770548"   "2360731"   "2360734"   "3163431"   "3352006"   "3520544"   "3761102"   "3843138"   "4121843"   "4218067"   "4261584"   "4508356").PN. OR ("4915397").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:32
S27 7	28	("2483827"   "2848412"   "3147015"   "3273900"   "3313553"   "4178020"   "4496162"   "4553759"   "4900039"   "4915397"   "5114158"   "5135238"   "5197807"   "5224715"   "5280924"   "5339861"   "5662341"   "5984313"   "6279875"   "6302402"   "6322079"   "6325380"   "6557858").PN. OR ("6948715").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:33
S27 8	39	("1609283"   "1661878"   "1770548"   "1985475"   "2315588"   "2819920"   "2898000"   "3217922"   "3411763"   "3554567"   "3575432"   "3588131"   "3713660"   "3749063"   "3879043"   "4218067"   "4602888"   "4744572"   "4832353"   "4850521"   "4915397"   "4946174"   "5125796"   "5247918").PN. OR ("6257594").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:37
S27 9	23	("2366161"   "3163431"   "3341212"   "3554567").PN. OR ("3713660").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:39
S28 0	5	("3341212").URPN.	USPAT	OR	OFF	2006/08/03 13:41
S28 1	23	("3163431").URPN.	USPAT	OR	OFF	2006/08/03 13:42
S28 2	25	("2739090"   "4395298"   "4915397").PN. OR ("4681558").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:48

## EAST Search History

S28 3	14	("1998915"   "2647770"   "3007600"   "3352006"   "3761102"   "3766900"   "3797466").PN. OR ("3843138").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:49
S28 4	1	("267750").URPN.	USPAT	OR	OFF	2006/08/03 13:51
S28 5	21	("3058750"   "3195930"   "3207524"   "3291442"   "3701549"   "3841670"   "4396212"   "4403658"   "4411434"   "4476934").PN. OR ("4589689").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 13:57
S28 6	42	("2463326"   "2505245"   "2642297"   "2671512"   "3097865"   "3201147"   "3520331"   "3567255"   "3776578"   "3889985"   "4018463"   "4059288"   "4071268"   "4124228").PN. OR ("4348039").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 14:05
S28 7	42	("2463326"   "2505245"   "2642297"   "2671512"   "3097865"   "3201147"   "3520331"   "3567255"   "3776578"   "3889985"   "4018463"   "4059288"   "4071268"   "4124228").PN. OR ("4348039").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 14:23
S28 8	588	(285/111).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/03 14:23
S28 9	29	("2634943"   "3083023"   "3172670"   "3653670"   "3698728"   "3851888"   "4057257"   "4174846"   "4328972").PN. OR ("4618154").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 14:52
S29 0	12	("2521248"   "2590759"   "2729478"   "3921991"   "4618154"   "5312116"   "5865971"   "6161841"   "6283156").PN. OR ("6776422").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/03 14:53
S29 1	8	("3424480").URPN.	USPAT	OR	OFF	2006/08/03 14:58
S29 2	2	("3215166").URPN.	USPAT	OR	OFF	2006/08/03 15:02
S29 3	47161	rubber and steel and seal	USPAT; USOCR	AND	OFF	2006/08/04 07:35
S29 4	2881	S293 and @py<"1950"	USPAT; USOCR	AND	OFF	2006/08/04 06:19
S29 5	7	("1930833").URPN.	USPAT	OR	OFF	2006/08/04 07:11
S29 6	14102	rubber and steel and gasket	USPAT; USOCR	AND	OFF	2006/08/04 07:35
S29 7	1448	S296 and @py<"1950"	USPAT; USOCR	AND	OFF	2006/08/04 07:36

## EAST Search History

S29 8	3	("2484693").URPN.	USPAT	OR	OFF	2006/08/04 08:25
S29 9	1	("1777101").URPN.	USPAT	OR	OFF	2006/08/04 08:48
S30 0	17536	packing and ring and metal and method	USPAT; USOCR	OR	OFF	2006/08/04 08:49
S30 1	5107	S300 and @py<"1970"	USPAT; USOCR	OR	OFF	2006/08/04 08:49
S30 3	3	("1925268").URPN.	USPAT	OR	OFF	2006/08/04 09:24
S30 4	14	("1398439"   "1502524"   "1925268"   "4155559"   "4423878"   "4486026"   "4580793"   "5020809"   "5163692").PN. OR ("6076832").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 09:25
S30 6	23	("2050137").URPN.	USPAT	OR	OFF	2006/08/04 09:47
S30 7	7	("2097628").URPN.	USPAT	OR	OFF	2006/08/04 09:57
S30 8	1	("2117444").URPN.	USPAT	OR	OFF	2006/08/04 10:01
S30 9	16	("1000583"   "1279783"   "1834946"   "2114521"   "2117444"   "3196946"   "3842912"   "4299287").PN. OR ("4605067").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 10:01
S31 2	8	("2131509").URPN.	USPAT	OR	OFF	2006/08/04 10:07
S31 3	1	("2155718").URPN.	USPAT	OR	OFF	2006/08/04 10:11
S31 4	37	("1907862"   "2155718"   "3421586"   "3913676"   "4018284"   "4044832").PN. OR ("4635725").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 10:11
S31 5	2	("2157865").URPN.	USPAT	OR	OFF	2006/08/04 10:17
S31 6	2	("2207469").URPN.	USPAT	OR	OFF	2006/08/04 10:26
S31 7	5	("2251211").URPN.	USPAT	OR	OFF	2006/08/04 10:42
S31 9	9	("2312579").URPN.	USPAT	OR	OFF	2006/08/04 10:52
S32 0	3	("2326489").URPN.	USPAT	OR	OFF	2006/08/04 10:56
S32 1	2	("2365774").URPN.	USPAT	OR	OFF	2006/08/04 11:01
S32 3	23	("2479960").URPN.	USPAT	OR	OFF	2006/08/04 11:16

## EAST Search History

S32 4	3	("2483572").URPN.	USPAT	OR	OFF	2006/08/04 11:19
S32 5	20748	gasket .ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/04 11:51
S32 6	6225	S325 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/04 11:51
S32 7	17	("3124502"   "3207644"   "3212798"). PN. OR ("3977709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 12:25
S32 8	15	("3124502").URPN.	USPAT	OR	OFF	2006/08/04 12:36
S33 0	2279	S329 and plastic	USPAT	OR	OFF	2006/08/04 12:39
S33 1	14	("0873661"   "0873669"   "2079922"   "2563155"   "3815925"   "4088298"   "4099562"   "4109713"   "4367794"). PN. OR ("4577614").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 12:59
S33 2	21	("2538683"   "4186950"   "4298219"   "4506919"   "4552385"   "4712813"   "4867488").PN. OR ("5037144").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 13:13
S33 3	82	("0237324"   "0981705"   "1808066"   "1817774"   "1830782"   "2269664"   "2529098"   "2562359"   "2688499"   "2699357"   "2985469"   "3078650"   "3080183"   "3148895"   "3165324"   "3217400"   "3432189"   "3507505"   "3592481"   "3592491"   "3672130"   "3684317"   "3724878"   "3726574"   "3794360"   "3865413"   "3891224"   "3913928"   "3964773"   "3998478"   "4128251"   "4133563"   "4143884"   "4159197"   "4211543"   "4226446"   "4227898"   "4235611"   "4275909"   "4315630"   "4350509"   "4362323"   "4378945"   "4379559"   "4453746"   "4488889"   "4491460"   "4542922"   "4565381"   "4609465"   "4664424"   "4720292"   "4723796"   "4754994"   "4763932"   "4856826"   "4974881"   "5037144"   "5064458"   "5071456"   "5129685"   "5137308"   "5213339"). PN. OR ("5474337").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 13:27

## EAST Search History

S33 4	2	"6715802"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 13:27
S33 5	14	("2552750"   "3078110"   "3197218"   "3479063"   "3820830"   "4410186"   "4550921"   "5058906"   "5431417"). PN. OR ("6715802").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 13:28
S33 6	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN. OR ("6974160").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 13:56
S33 7	18	("1788366"   "3158388"   "3189962"   "3679239"   "3744824"   "3870349"   "4062572"   "4798404").PN. OR ("5188401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:01
S33 8	19	segmented gripper ring	USPAT; USOCR; EPO	SAME	OFF	2006/08/04 14:03
S33 9	202	segmented gripper ring	USPAT; USOCR; EPO	AND	OFF	2006/08/04 14:03
S34 0	2	"6715802"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/04 14:14
S34 1	14	("2552750"   "3078110"   "3197218"   "3479063"   "3820830"   "4410186"   "4550921"   "5058906"   "5431417"). PN. OR ("6715802").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/04 14:14
S34 2	11	"1004270" "2480496"	USPAT	OR	OFF	2006/08/07 06:52
S34 3	2945	swivel same flange	USPAT	OR	OFF	2006/08/07 06:52
S34 4	14	("2552750"   "3078110"   "3197218"   "3479063"   "3820830"   "4410186"   "4550921"   "5058906"   "5431417"). PN. OR ("6715802").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 07:10
S34 5	18	("1788366"   "3158388"   "3189962"   "3679239"   "3744824"   "3870349"   "4062572"   "4798404").PN. OR ("5188401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 07:43

## EAST Search History

S34 6	24	("20030025329"   "2585453"   "3381983"   "3963298"   "4848805"   "4867488"   "5037144"   "5067751"   "5188401"   "5197768"   "5295697"   "5297826"   "5431453"   "5464228"   "5476290"   "5779285"   "5803513"   "5951058"   "6488319"   "6502867"   "6505860"   "6688652").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 08:05
S34 7	81977	o-ring	USPAT; USOCR	OR	OFF	2006/08/07 08:05
S34 8	968328	S347 and inner slot	USPAT; USOCR	OR	OFF	2006/08/07 09:38
S34 9	15	("2201372"   "2230725"   "3288497"   "3486772"   "3860270"   "4119335"   "4676531"   "5037144"   "5188401"   "5350204"   "5476292").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 08:29
S35 0	21	("2538683"   "4186950"   "4298219"   "4506919"   "4552385"   "4712813"   "4867488").PN. OR ("5037144").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 08:31
S35 1	876960	S348 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 08:58
S35 3	25330	S352 and joint	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 09:10
S35 4	8164	S353 and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 09:11
S35 5	5	slotted adj o-ring	USPAT; USOCR	OR	OFF	2006/08/07 09:38
S35 6	1314910	annular gasket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 09:55
S35 7	22599	S356 and flap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 09:56

## EAST Search History

S35 8	4796	S357 and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:23
S35 9	32454	"285"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:09
S36 0	122	S358 and S359	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:21
S36 1	9080	"177"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:21
S36 2	3	S358 and S361	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:22
S36 3	4004596	segmented mounting ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 10:24
S36 4	7293	segmented mounting ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/07 10:24
S36 5	4608	S364 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/07 10:26
S36 6	846	S365 and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/07 10:33
S36 7	456	S366 and (rubber or plastic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/08/07 10:33

## EAST Search History

S36 8	28	("2770940"   "2775860"   "3323975"   "3496717"   "3498038"   "3538700"   "3631667"   "3644866"   "3784441"   "4385644").PN. OR ("4786536").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 11:25
S36 9	1749	(285/322,411,415).CCLS.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 11:25
S37 0	1659	S369 and @py<"2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/08/07 11:26
S37 1	14	("4407526"   "5048872"   "5171045"   "5205594"   "5230539"   "5468028"   "5474336"   "5673945"   "5681061"   "5683120").PN. OR ("6224117").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 11:29
S37 2	72	("1071585"   "1663228"   "1703696"   "1821867"   "2040155"   "2162184"   "2186974"   "2535694"   "2685462"   "2967068"   "3120966"   "3208758"   "3301576"   "3479063"   "3560029"   "3594022"   "3749426"   "3797835"   "3797836"   "3873102"   "3873105"   "3989285"   "4214763"   "4358140"   "4398754"   "4522536"   "4609209"   "4627646"   "4640537"   "4641859"   "4662655"   "4690436"   "4691944"   "4779901"   "4779902"   "4779903"   "4838583"   "4881760"   "4900070"   "5040714"   "5058906"   "5058935"   "5135269"   "5135270"   "5145219"   "5163712"   "5163721"   "5181730"   "5188400"   "5192095"   "5299843"   "5480196"   "5603152").PN. OR ("5782500").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 11:40
S37 3	21	("2058062"   "2468315"   "2757023"   "3453010"   "3455583"   "3712648"   "3871691"   "3966234"   "4653780").PN. OR ("5163712").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 11:42
S37 4	10	("3301576").URPN.	USPAT	OR	OFF	2006/08/07 11:47
S37 5	8	("0944877"   "3405957"   "4150847"   "4662656"   "4822077"   "5310223").PN. OR ("5722695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 11:57
S37 6	10	("3653689"   "3743326"   "3909046"   "3999783"   "4045055"   "4083586").PN. OR ("5205594").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 12:13

## EAST Search History

S37 7	21	("1343426"   "1747782"   "1875749"   "2237683"   "2383248"   "2733938"   "3454289"   "3561531").PN. OR ("4334342").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 12:34
S37 8	37	("1400940"   "3287035"   "4326587"   "4334342"   "4554971").PN. OR ("4646827").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 12:35
S37 9	37	("1400940"   "3287035"   "4326587"   "4334342"   "4554971").PN. OR ("4646827").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 12:41
S38 0	17	("1627945"   "1646639"   "2144227"   "2712455"   "2768007").PN. OR ("4326587").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 12:42
S38 1	10	("3560026").URPN.	USPAT	OR	OFF	2006/08/07 12:55
S38 2	19	("2896496").URPN.	USPAT	OR	OFF	2006/08/07 13:07
S38 3	45	("2021051"   "2896496"   "3352341").PN. OR ("4378187").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 13:15
S38 4	15	("4378187"   "4480853"   "5037135"   "5324150"   "5378100"   "5427488"   "5529344"   "5580200"   "5613816"   "5733084"   "5788443"   "5791687"   "5800108").PN. OR ("6478334").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 13:16
S38 5	13	("0644366"   "2644524"   "3757836"   "4478546"   "5160172").PN. OR ("5788443").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/07 13:17
S38 6	1	("2792242").URPN.	USPAT	OR	OFF	2006/08/07 13:25
S38 7	12	("2756017").URPN.	USPAT	OR	OFF	2006/08/07 13:28
S38 8	10	("1955642").URPN.	USPAT	OR	OFF	2006/08/07 13:47
S38 9	6	("1654463").URPN.	USPAT	OR	OFF	2006/08/07 13:52
S39 0	5	("1227632").URPN.	USPAT	OR	OFF	2006/08/07 14:00
S39 1	15	("944877").URPN.	USPAT	OR	OFF	2006/08/07 14:17
S39 2	10	("3560026").URPN.	USPAT	OR	OFF	2006/08/08 06:08
S39 3	4	("3529854").URPN.	USPAT	OR	OFF	2006/08/08 06:09
S39 4	16	("3524662").URPN.	USPAT	OR	OFF	2006/08/08 06:12

## EAST Search History

S39 5	27	("0459907"   "0944273"   "1339636"   "1683076"   "1921400"   "2507261"   "2531922"   "3414297"   "3524662"   "3594023"   "3610666").PN. OR ("4448448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 06:13
S39 6	7	("2531922").URPN.	USPAT	OR	OFF	2006/08/08 06:24
S39 7	11	("2034644"   "2531922"   "2779610"   "4613158"   "5207459"   "5957509"   "6106029"   "6378915").PN. OR ("6851728").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 06:29
S39 8	16	("0817300"   "2755109"   "2779610"   "4070046"   "4092036"   "4569542"   "4664426"   "5100183"   "5645285"   "5779285").PN. OR ("6106029").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 06:36
S39 9	25	("2779610").URPN.	USPAT	OR	OFF	2006/08/08 06:40
S40 0	25	("2779610").URPN.	USPAT	OR	OFF	2006/08/08 06:51
S40 1	16	("1711995"   "1984806"   "2779610"   "3575428").PN. OR ("3712647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 06:53
S40 2	7	("1984806").URPN.	USPAT	OR	OFF	2006/08/08 07:01
S40 3	22	("1984806"   "2573225"   "2828238"   "3051500"   "3445120").PN. OR ("3603602").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 07:07
S40 4	11	("2034644"   "2531922"   "2779610"   "4613158"   "5207459"   "5957509"   "6106029"   "6378915").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/08 07:24